

**Amendments to the Claims**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1-12. (Canceled)

13. (New) A method for treating a sexual dysfunction in a female patient in need thereof comprising administering a pharmaceutical formulation comprising a therapeutically effective amount of an S-nitrosothiol.

14. (New) The method of claim 13, wherein the pharmaceutical formulation is orally administered.

15. (New) The method of claim 13, wherein the pharmaceutical formulation is nasally administered.

16. (New) The method of claim 13, wherein the sexual dysfunction is psychogenic, neurogenic, endocrinologic, drug-induced or vasculogenic.

17. (New) The method of claim 13, wherein the S-nitrosothiol is an S-nitroso-polypeptide, an S-nitrosylated amino acid, an S-nitrosylated sugar, an S-nitrosylated oligonucleotide or an S-nitrosylated hydrocarbon.

18. (New) The method of claim 13, wherein the S-nitrosothiol is S-nitroso-N-acetylcysteine, S-nitroso-captopril, S-nitroso-homocysteine, S-nitroso-cysteine or S-nitroso-glutathione.

19. (New) The method of claim 13, wherein the S-nitrosothiol has one of the following structures: (i)  $\text{CH}_3[\text{CH}(\text{R}_e)(\text{R}_f)]_x\text{SNO}$ ; (ii)  $\text{HS}[\text{CH}(\text{R}_e)(\text{R}_f)]_x\text{SNO}$ ; (iii)  $\text{ONS}[\text{CH}(\text{R}_e)(\text{R}_f)]_xB$ ; or (iv)  $\text{H}_2\text{N}-\text{CH}(\text{CO}_2\text{H})-(\text{CH}_2)_x-\text{C}(\text{O})\text{NH}-\text{CH}(\text{CH}_2\text{SNO})-\text{C}(\text{O})\text{NH}-\text{CH}_2-\text{CO}_2\text{H}$ ; wherein x is 2 to 20;  $\text{R}_e$  and  $\text{R}_f$  are independently hydrogen, lower alkyl, cycloalkyl, aryl, heteroaryl, arylalkyl, amino, alkylamino, amido, alkylamido, dialkylamino, or carboxy, or taken together with the carbon atoms to which they are attached  $\text{R}_e$  and  $\text{R}_f$  are carbonyl, cycloalkyl or bridged cycloalkyl; B is fluoro,  $\text{C}_1$ - $\text{C}_6$  alkoxy, cyano, carboxamido, cycloalkyl, arylalkoxy, alkylsulfinyl, arylthio, alkylamino, dialkylamino, hydroxy, carbamoyl, N-alkylcarbamoyl, N,N-dialkylcarbamoyl, amino, nitro or aryl.